

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 6:43 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 1317 Const Calendar Day: 890 Date: 11-Nov-2014 Tuesday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature 7 AM****12 PM****4PM****Precipitation****Condition** partly cloudyWorking Day ☒ If no, explain:**Diary:**

Dispute

General Comments

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:

There is no work in the field on this operation today by ABF. The Townsend Test (Test IV) is complete. Crews at the Pier 7 warehouse are working an 8-hour shift 0700 through 1530. ABF is working in the field today on other operations, which are not covered by this diary.

ITEM 53, TOWER FOUNDATION ANCHOR RODS GROUT - MOCKUP:

There is work in the field on this operation today by ABF and its subcontractors. Crews at the Pier 7 warehouse are working an 8-hour shift 0700 through 1530, except for ABF Ironworker General Foreman James (Fish) Sturgeon stays a half hour to an hour late along with the water jetting subcontractors. ABF is also working in the field today on other operations, which are not covered by this diary. The tower foundation anchor rods grout mockup operation is inspected by Sami Daouk.

ABF's water jetting subcontractors, American Water Jetting from Richmond California and RES Environmental Services (also known as Russo Environmental Services) from Pittsburg California, are present in the morning and working late in the afternoon to complete a mockup rod. Various people from ABF's hourly crew (ironworker general foreman, ironworker, laborers (foremen and journeymen), operator, mechanic) are present for parts of the day, but are also doing other work around the Pier 7 warehouse area today.

Today is the second water jetting test day of the first mockup that ABF built, after the first water jetting work Saturday 11/8/2014. The mockup being water jetted today has 6 setups with an inner pipe to mimic the rod and an outer pipe for the pipe sleeve. Six (6) setups in this first mockup were built like this, and another 6 setups in a second mockup were built later with Denso wrapped galvanized rods but will be water jet tested later. Today's mockup is a test by ABF and their subcontractors to find out how the water jetting system will work and test different equipment, with the later setups in the second mockup with Denso wrapped galvanized rods being more like the situation in the field and will be used to verify the system will not damage permanent materials.

Previous work on Saturday 11/8/2014 ended with one rod/sleeve being water jetted about 6' deep and a second rod/sleeve being water jetted about 7' deep. The water jetting subcontractors ordered some different equipment that was scheduled to arrive by today. At the start of the day, they are still waiting for equipment that does not arrive until late in the morning. Then, they water jet in the afternoon.



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Brignano, Bob

Diary #: 1317 Date: 11-Nov-2014 Tuesday

They start by testing the new equipment they received today. Then, they end up going back to the lance system they were using previously. With the lance, they water jet all the way to the bottom of a previously partially water jetted hole (from Saturday 11/8/2014). Then, ABF uses a rented boroscope to check the hole. Then, the water jetting subcontractors move to a third setup in the first mockup. They start by using a water jet gun with a shoulder stock or butt that bears against the operator's shoulder and a fixed gun barrel (barrel is somewhat flexible) to get a starter hole several inches down. Then, once that starter hole is in place, they use the lance system to water jet all the way to the bottom – the lance system has a rigid pipe near the end with the nozzle, but then it is a flexible tube handled by gripping the tube and pushing the tube down.

Included in the work by ABF is to maintain the fresh water Baker Tank with enough water and vacuum off the waste water from the ground into the other Baker Tank.

ITEM 53, TOWER FOUNDATION ANCHOR RODS GROUT - FIELD/T1:

There is no work in the field on this operation today by ABF. Crews at the Pier 7 warehouse are working an 8-hour shift 0700 through 1530. ABF is working in the field today on other operations, which are not covered by this diary. The tower foundation anchor rods grout operation is inspected by Sami Daouk.

INSPECTOR OT REMARK:

Field and Office 8 hours: ABF is working a shift at the Pier 7 warehouse area between 0700 and 1530 (plus mockup work a little late), but I am in the field for only a portion of this time for the T1 rods grout mockup. I am working on various A354 Grade BD bolts and rods issues, including responding to ABF on the VGO draft report for Phases 3 to 5 of the Townsend Test (Test IV). The DJV provided comments yesterday afternoon, and today I discuss our review comments with ABF and send them a response. My shift and OT is 0700 to 1530.